9/5/8   (Item 8 from f●: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06699389   **Image available**
METHOD AND DEVICE FOR PROCESSING PICTURE, AND PICTURE DATA FORMAT USED
THEREFOR

PUB. NO.:   2000-285220 [JP 2000285220 A]
PUBLISHED: October 13, 2000 (20001013)
INVENTOR(s):   OONODA HITOSHI
APPLICANT(s): CANON INC
APPL. NO.:   11-093491 [JP 9993491]
FILED: March 31, 1999 (19990331)
INTL CLASS: G06T-001/00

ABSTRACT

PROBLEM TO BE SOLVED: To obtain the method and device for processing
picture, which have characteristics of a command system and can secure the
downward compatibility over the future , and to provide a picture data
format used therefor.

SOLUTION: When picture data is subjected to picture data and the processing
result is outputted, program codes 114 and 124 of the picture processing to
which picture data 101 is subjected are stored correspondingly to this
picture data 101 in a format of picture data where a picture processing
header part 102, which indicates that program codes of picture processing
to which general picture data is subjected are attached and picture
operation blocks 110 and 120 where program codes of picture processing to
which general picture data is subjected are stored are added. When
picture data is outputted, the program codes stored correspondingly to
this picture data are executed, and picture obtained as the result is
outputted.

9/5/10   (Item 10 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06814177   **Image available**
METHOD AND DEVICE FOR SPEECH RECOGNITION, AND STORAGE MEDIUM

PUB. NO.:   10-097277 [JP 10097277 A]
PUBLISHED: April 14, 1998 (19980414)
INVENTOR(s):   KOMORI YASUHIRO
               KOSAKA TETSUO
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:   08-249973 [JP 96249973]
FILED: September 20, 1996 (19960920)
INTL CLASS: [6] G10L-003/00; G10L-003/00
JAPIO CLASS: 42.5 (ELECTRONICS -- Equipment)
JAPIO KEYWORD:R011 (LIQUID CRYSTALS); R108 (INFORMATION PROCESSING --
               Speech Recognition & Synthesis); R131 (INFORMATION PROCESSING
               -- Microcomputers & Microprocessers)

ABSTRACT

PROBLEM TO BE SOLVED: To enable speaker adaptation with a small number of
speech data by using phoneme models (phoneme HMM) of unspecified
speakers and phoneme environment dependent type HMMs of unspecified
speakers as hierarchical structure in phoneme environment, and using a
specific speaker phoneme HMM for the speaker adaptation.

SOLUTION: A sound analysis part 102, an output probability calculation part
103, a language search part 105, an input speaker phoneme HMM learning part
201, and a speaker adaptation part 206 are executed under the control of a

CPU according to a contr●program **stored** in a ROM or R●A model for an input speech is found and this found model for the input speech and an unspecified speaker model having vocal sound hierarchical structure are used to generate a model for recognition. A speech to be recognized is inputted and this generated model for recognition is used to recognize the inputted object speech. Here, a phoneme HMM is used for the model for the input speech to be found and a phoneme environment dependent type HMM of the phoneme HMM unspecified speaker is used for the unspecified speaker model having the vocal sound hierarchical structure.

9/5/26   (Item 26 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

01686369   **Image available**
FILE RETRIEVAL DEVICE

PUB. NO.:   60-164869 [JP 60164869 A]
PUBLISHED: August 27, 1985 (19850827)
INVENTOR(s):   BABA MASATOSHI
                 SOMA AKIRA
APPLICANT(s):   MEIKO SHOKAI KK [399380] (A Japanese Company or Corporation),
                 JP (Japan)
APPL. NO.:   59-020616 [JP 8420616]
FILED: February 07, 1984 (19840207)
INTL CLASS: [4] G06F-015/40; B42F-017/34
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 30.1
                 (MISCELLANEOUS GOODS -- Office Supplies)
JAPIO KEYWORD:R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers);
                 R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED)
JOURNAL: Section: P, Section No. 420, Vol. 10, No. 9, Pg. 37, January
                 14, 1986 (19860114)

                              ABSTRACT
PURPOSE: To enable automatic retrieval of **indefinite   files** whose thickness and   **form**   sizes differ from each other by using a file positioning bar and an automatic file posture correction mechanism.

CONSTITUTION: A file **storage** part consists of upper and lower parts of a pair of side plates 11a and 11b erected at the right and left being coupled and assembled by a pair of optical read means transferring quiderails 12a and 12b, and file positioning bars 13a and 13b. These bars 13a and 13b are provided for arranging properly a **storing** positions of a back cover of a file F, and a recessed groove 14 is formed in its longitudinal direction. After completion of **storing** operation of the file F, the device drives a motor 26 to travel a chain 25, and transfers a file pressing plate 23 toward the file F **stored** . By the travel of the plate 23, the file F arranged in line in large numbers are pressed and corrected in their inclination and all are corrected toward the direction perpendicular to the bars 13a and 13b and the motor 26 stops its drive.

9/5/34   (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015194315   **Image available**
WPI Acc No: 2003-254849/200325
XRPX Acc No: N03-202064
  **Input files formatting method for medical insurance claims, involves
  aligning data in input file with standard format and storing resulting
  format, if resulting format is different from prestored formats**
Patent Assignee: MERALLIS CO (MERA-N)
Inventor: BENCE G P; JULIAN G; KENNEY W R; PEET J L; REINHOLDT D R; WELCOME
  E D
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No   Kind   Dat⬤   Applicat No   Kind   Date   ⬤Week
US 6484178   B1   20021119 US 99475476   A   19991230 200325 B

Priority Applications (No Type Date): US 99475476 A 19991230
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 6484178   B1   23 G06F-017/30

Abstract (Basic): US 6484178 B1
     NOVELTY - The format of data records in the input file submitted by
a source, is determined. The known data format **stored** in format
database that closely matches the format used by the source is found
and the data in the input file is aligned with standard format. If the
resulting format is different from the formats **stored** in **database** ,
it is **stored** as a new format.
     DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the
following:
     (1) computer readable medium comprising input files formatting
program; and
     (2) computer system that converts input file formats into single
common file format.
     USE - In electronic processing of medical insurance claims.
     ADVANTAGE - By accepting **files** in numerous **formats** which may be
initially **unknown** and formatting them into a common **format** for
processing, reduces amount of human labor and formats at a high rate of
speed.
     DESCRIPTION OF DRAWING(S) - The figure shows the main menu screen
of input files formatting.
     pp; 23 DwgNo 1/11
Title Terms: INPUT; FILE; FORMAT; METHOD; MEDICAL; INSURANCE; CLAIM; ALIGN;
  DATA; INPUT; FILE; STANDARD; FORMAT; **STORAGE** ; RESULT; FORMAT; RESULT;
  FORMAT; FORMAT
Derwent Class: T01
International Patent Class (Main): G06F-017/30
File Segment: EPI

 9/5/36   (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014845239   **Image available**
WPI Acc No: 2002-665945/200271
Related WPI Acc No: 2001-256299; 2002-236112
XRPX Acc No: N02-526893
  Data compression method for digital multimedia communication, involves
  analyzing input data blocks for identifying the data type and accordingly
  content dependent and independent compression technique is used
Patent Assignee: FALLON J J (FALL-I); REALTIME DATA LLC (REAL-N)
Inventor: FALLON J J
Number of Countries: 001 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20020097172 A1   20020725   US 98210491   A   19981211 200271 B
                                 US 2000705446   A   20001103
                                 US 200116355   A   20011029
US 6624761   B2   20030923   US 98210491   A   19981211 200364
                                 US 2000705446   A   20001103
                                 US 200116355   A   20011029

Priority Applications (No Type Date): US 200116355 A 20011029; US 98210491
  A 19981211; US 2000705446 A 20001103
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 20020097172 A1   51 H03M-007/34   Cont of application US 98210491
                                       CIP of application US 2000705446
                                       Cont of patent US 6195024
                                       CIP of patent US 6309424

US 6624761 B2   G⬤-013/12   Cont of application ⬤98210491
CIP of application US 2000705446
Cont of patent US 6195024
CIP of patent US 6309424

Abstract (Basic): US 20020097172 A1
      NOVELTY - An input data block stream is analyzed to identify the
data type of each block. A content dependent compression is performed
for identified **data** blocks and **content** independent compression for
unknown **type** blocks.
      DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for
storage device for **storing** compression program.
      USE - For digital multimedia communication.
      ADVANTAGE - Ensures fast and efficient compression by combined use
of content dependent and independent compression technique. Maximum
compression is achieved by employing numerous encoders and compression
techniques.
      DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
content independent data compression system.
      pp; 51 DwgNo 2/18
Title Terms: DATA; COMPRESS; METHOD; DIGITAL; COMMUNICATE; INPUT; DATA;
  BLOCK; IDENTIFY; DATA; TYPE; ACCORD; CONTENT; DEPEND; INDEPENDENT;
  COMPRESS; TECHNIQUE
Derwent Class: T01; U21
International Patent Class (Main): G06F-013/12; H03M-007/34
International Patent Class (Additional): G06F-013/38; H03M-007/38
File Segment: EPI

 9/5/37   (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014644063   **Image available**
WPI Acc No: 2002-464767/200250
XRPX Acc No: N02-366322
   Detecting complete logical records of forms occupied by characters
   involves transferring unidentifiable   data to external evaluation
   point and recombining processed data into form
Patent Assignee: WETTSTEIN M (WETT-I)
Inventor: WETTSTEIN M
Number of Countries: 097 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1202212	A1	20020502	EP 2000123191	A	20001026	200250	B
WO 200235455	A1	20020502	WO 2001EP12447	A	20011026	200250	
AU 200212349	A	20020506	AU 200212349	A	20011026	200257	
CZ 200301160	A3	20030917	WO 2001EP12447	A	20011026	200364	
			CZ 20031160	A	20011026		
HU 200301524	A2	20031028	WO 2001EP12447	A	20011026	200379	
			HU 20031524	A	20011026		
US 20030226117	A1	20031204	WO 2001EP12447	A	20011026	200380	
			US 2003249628	A	20030425		

Priority Applications (No Type Date): EP 2000123191 A 20001026
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
EP 1202212   A1 G   9 G06K-009/03
   Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
   LI LT LU LV MC MK NL PT RO SE SI
WO 200235455 A1 G   G06K-009/03
   Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
   CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
   IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
   PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200212349 A   G06K-009/03   Based on patent WO 200235455
CZ 200301160 A3   G06K-009/03   Based on patent WO 200235455

HU 200301524 A2   G●-009/03   Based on patent WO 2●35455
US 20030226117 A1   G06F-015/00   Cont of application WO 2001EP12447

Abstract (Basic): EP 1202212 A1
      NOVELTY - The method involves generating an image of the form,
  storing image data, identifying characters insofar as they can be
  identified with a certain degree of reliability, determining
  non-identified fields, forming a transfer record from the
  non-identified data and a reference parameter, passing it to an
  external evaluation point, fully identifying the characters, forming a
  processed transfer record, passing it back and recombining it with the
  form.
      DETAILED DESCRIPTION - The method involves generating an image of
  the form (1) and **storing** the image data of individual data fields,
  identifying characters with a character recognition program (3) insofar
  as they can be identified with a certain degree of reliability,
  determining non-identified fields, forming a transfer record (6) from
  the non-identified data and a reference parameter, passing it to an
  external evaluation point (7), fully identifying the characters,
  forming a processed transfer record (8), passing it back and
  recombining it with the data fields of the same form.
      USE - For detecting complete logical records of forms occupied by
  characters with several separate data fields of uniform spatial
  position for all forms.
      ADVANTAGE - Enables inexpensive re-determination of forms not
  sufficiently identifiable using a character recognition program while
  guaranteeing the confidentiality of the information in the forms.
      DESCRIPTION OF DRAWING(S) - The drawing shows a schematic
  representation of a method of detecting complete logical records of
  forms occupied by characters
      form (1)
      character recognition program (3)
      transfer record (6)
      external evaluation point (7)
      processed transfer record (8)
      complete logical record (10)
      pp; 9 DwgNo 1/1
Title Terms: DETECT; COMPLETE; LOGIC; RECORD; FORM; OCCUPY; CHARACTER;
  TRANSFER; DATA; EXTERNAL; EVALUATE; POINT; RECOMBINATION; PROCESS; DATA;
  FORM
Derwent Class: T01
International Patent Class (Main): G06F-015/00; G06K-009/03
International Patent Class (Additional): G06K-009/20
File Segment: EPI

 9/5/38   (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014407210   **Image available**
WPI Acc No: 2002-227913/200229
XRPX Acc No: N02-174937
  **Playback device for multi-media data files from memory- store in
  automobile radio, includes processor with device for displaying an index
  or list of titles for motor vehicle driver to choose from**
Patent Assignee: BOSCH GMBH ROBERT (BOSC); LAUKE V (LAUK-I); MLASKO T
  (MLAS-I); MUELLER T (MUEL-I); WANSCHURA M (WANS-I)
Inventor: LAUKE V; MLASKO T; MUELLER T; WANSCHURA M
Number of Countries: 004 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 10014987	A1	20011004	DE 1014987	A	20000325	200229	B
DE 10014987	C2	20020207	DE 1014987	A	20000325	200229	
GB 2363230	A	20011212	GB 20017181	A	20010322	200229	
JP 2001312878	A	20011109	JP 200185515	A	20010323	200229	
US 20010044664	A1	20011122	US 2001816526	A	20010323	200229	
GB 2363230	B	20020529	GB 20017181	A	20010322	200236	

Priority Applications (No Type Date): DE 1014987 A 20000325
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
DE 10014987   A1   6 B60R-011/02
DE 10014987   C2   B60R-011/02
GB 2363230   A   G11C-007/16
JP 2001312878 A   7 G11B-027/10
US 20010044664 A1   G06F-017/00
GB 2363230   B   G11C-007/16

Abstract (Basic): DE 10014987 A1
        NOVELTY - The processor (6) which is used for decoding the data
    files, includes a device to represent the index or list in the memory
    device as different data carriers and the multimedia data files as
    titles on the display (4). The input device (8) enables the various
    data carriers and the various titles to be selected.
        USE - Playing back multi-media data files from a memory/ **store** in
    a motor vehicle radio facility
        ADVANTAGE - The play-back device for the very compressed
    multi-media data **files** , especially the MP3-coded ones with audio
    data or even the **future** MPEG-4 AAC **types** , enables more convenient
    operation of the equipment in the automobile by the vehicle driver in
    order to give better road safety. Considerably simplified operation of
    the equipment by the motor vehicle driver, thus to a greater extent
    preventing the driver's attention from being diverted from the road.
    Enables multi-media data files to be combined with at least one new
    listing or index or even to be saved anew in the new list.
        DESCRIPTION OF DRAWING(S) - A block-circuit arrangement of the
    play-back device is given.
        Processor/decoder (1)
        Display (4)
        Input device (8)
        pp; 6 DwgNo 1/2
Title Terms: PLAYBACK; DEVICE; MULTI; MEDIUM; DATA; FILE; MEMORY; **STORAGE**
  ; AUTOMOBILE; RADIO; PROCESSOR; DEVICE; DISPLAY; INDEX; LIST; TITLE;
  MOTOR; VEHICLE; DRIVE; CHOICE
Derwent Class: Q17; T01; W03; W04
International Patent Class (Main): B60R-011/02; G06F-017/00; G11B-027/10;
  G11C-007/16
International Patent Class (Additional): G06F-003/00; G06F-012/00;
  G11B-020/10; G11B-027/34; G11B-027/36; G11B-031/00; H04B-001/00;
  H04B-001/20; H05K-011/02
File Segment: EPI; EngPI

 9/5/39   (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014362180   **Image available**
WPI Acc No: 2002-182881/200224
XRPX Acc No: N02-139067
    Data **addition** type **analyzer adds estimated attributes of**   unknown
    data **, investigates and correspondingly compresses** unknown   data
Patent Assignee: FUJITSU LTD (FUIT   )
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 2002014814 A   20020118 JP 2001118107   A   20010417 200224 B

Priority Applications (No Type Date): JP 2000125595 A 20000426
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2002014814 A   11 G06F-009/44

Abstract (Basic): JP 2002014814 A
        NOVELTY - An estimator (2a) estimates the attribute of unkown data

using the algorithm ● reasoning, based on distributi ● of **stored**
data of known attribute. Anadder (6a) adds estimated attributes of
unknown data which is investigated and correspondingly compressed using
data compressor (7a), except the known data.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:
(a) Data analyzing program;
(b) Recorded medium **storing** data anlyzing program
USE - For analyzing data utilized for business.
ADVANTAGE - As addition of data is automatically performed and
analyzed, abnormal data is analyzed easily. Thus data compression speed
is improved.
DESCRIPTION OF DRAWING(S) - The figure shows the components of data
addition type anlyzer. (Drawing includes non-English language text).
Estimator (2a)
Adder (6a)
Data compressor (7a)
pp; 11 DwgNo 1/21
Title Terms: DATA; ADD; TYPE; ADD; ESTIMATE; ATTRIBUTE; UNKNOWN; DATA;
INVESTIGATE; CORRESPOND; COMPRESS; UNKNOWN; DATA
Derwent Class: T01
International Patent Class (Main): G06F-009/44
International Patent Class (Additional): G06F-019/00
File Segment: EPI

9/5/45   (Item 19 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013766731   **Image available**
WPI Acc No: 2001-250942/200126
XRPX Acc No: N01-179269
**Internet protocol packet forwarding procedure for internet, involves
recognizing packets with** unspecified **protocol, based on which header
data is retrieved to isolate** format **packets**
Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001045064	A	20010216	JP 99220018	A	19990803	200126	B

Priority Applications (No Type Date): JP 99220018 A 19990803
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001045064	A		11	H04L-012/56	

Abstract (Basic): JP 2001045064 A
NOVELTY - Novel cell containing the header data is produced and
added to the leading end of packets. The cell added packet is forwarded
to user network through relay. The packets without having protocol
specification is identified during reception and is forwarded to relay
or network using header data. The header data from the protocol free
packets is retrieved, to isolate the format packets.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:
(a) Internet protocol packet forwarding apparatus;
(b) Memory medium **storing** internet protocol packet forwarding
program
USE - For internet.
ADVANTAGE - Increases forwarding bandwidth of network, by raising
forwarding capability.
DESCRIPTION OF DRAWING(S) - The figure explains internet protocol
packet forwarding process. (The drawing includes non-English language
text).
pp; 11 DwgNo 1/8
Title Terms: PROTOCOL; PACKET; FORWARDING; PROCEDURE; PACKET; PROTOCOL;
BASED; HEADER; DATA; RETRIEVAL; ISOLATE; FORMAT; PACKET

9/5/48   (Item 22 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012866171   **Image available**
WPI Acc No: 2000-038004/200003
XRPX Acc No: N00-028647
 Data type identifying method for electronic file in image analysis
Patent Assignee: US NAT SECURITY AGENCY (USGO)
Inventor: SHANER R A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5991714	A	19991123	US 9864063	A	19980422	200003	B

Priority Applications (No Type Date): US 9864063 A 19980422
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5991714	A		14	G06F-017/28	

Abstract (Basic): US 5991714 A
      NOVELTY - The location of selected data is recorded, if it is
determined to be of any data type of interest. If the number of
selected lengths of data reach the user definable number of selected
lengths of data, recording is stopped. Else, another length of data is
selected from the file, where the selected data overlaps with
preselected data at any specific position.
      DETAILED DESCRIPTION - The user definable length of **data** is
selected from the electronic **file** of **unknown**   **data**   **type** . The
number of unique n-grams within each exemplary **file** of each data type
of interest, is determined. The user definable threshold is established
for each data type of interest for determining data type. The unique
n-grams in file of particular data type, is listed in order of
descending magnitude of weight for each data type of interest.
      USE - For identifying data type in electronic file for image
analysis.
      ADVANTAGE - Identifies the type of data and language used in
electronic file, automatically. The **stored** n-grams may be hashed to
facilitate efficient look-up and the weights may be scaled to fit
certain byte size.
      DESCRIPTION OF DRAWING(S) - The figure shows steps for
characterizing data types.
      pp; 14 DwgNo 1/9
Title Terms: DATA; TYPE; IDENTIFY; METHOD; ELECTRONIC; FILE; IMAGE; ANALYSE

9/5/55   (Item 29 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010367622   **Image available**
WPI Acc No: 1995-268984/199535
Related WPI Acc No: 1993-352863; 1993-352864; 1995-035900; 1995-193776;
   1995-214975; 1995-275159; 1995-320216; 1996-019229; 1996-077217;
   1996-097357; 1996-160001; 1998-347931
XRPX Acc No: N95-206793
 **Processing appts for mixed binary length encodings containing definite
  and indefinite length formats - processes encodings which contain
  indefinite length encodings with nested definite length encodings by**

keeping track of level of nesting
Patent Assignee: RICOH CORP (RICO); RICOH KK (RICO)
Inventor: MANGAT S S; MOTOYAMA T
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5436627	A	19950725	US 92876251	A	19920430	199535	B
			US 92876601	A	19920430		
			US 92931808	A	19920811		
			US 9366383	A	19930521		

Priority Applications (No Type Date): US 9366383 A 19930521; US 92876251 A
  19920430; US 92876601 A 19920430; US 92931808 A 19920811
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5436627	A		26	H03M-007/40	CIP of application US 92876251
					CIP of application US 92876601
					CIP of application US 92931808
					CIP of patent US 5319748
					CIP of patent US 5325484
					CIP of patent US 5416896

Abstract (Basic): US 5436627 A
     The apparatus comprises a communication device for receiving a
document data stream having mixed definite length and indefinite length
encodings, both of which have preamble and content information, a
processing device, connected to the communication device, for
processing the document data stream having mixed definite length and
indefinite length encodings and a temporary **storage** device, connected
to the processing device, for **storing** the preamble information of the
definite length and indefinite length encodings as the processing
device is processing the document data stream.
     The temporary **storage** device comprises a stack for **storing**
length information contained in the preamble information of the
definite length encoding.
     USE - Processing binary SPDL **files** according to ASN.1 containing
mixed definite and **indefinite** length **formats**
     Dwg.6/16B
Title Terms: PROCESS; APPARATUS; MIX; BINARY; LENGTH; CONTAIN; DEFINITE;
  INDEFINITE; LENGTH; FORMAT; PROCESS; CONTAIN; INDEFINITE; LENGTH; NEST;
  DEFINITE; LENGTH; KEEP; TRACK; LEVEL; NEST
Index Terms/Additional Words: STANDARD; PAGE; DESCRIPTION; LANGUAGE
Derwent Class: U21
International Patent Class (Main): H03M-007/40
File Segment: EPI

 9/5/62   (Item 36 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

008230406   **Image available**
WPI Acc No: 1990-117407/199016
XRPX Acc No: N90-091002
  **Adaptive, general purpose image measurement and recognition - extracting
  geometric features and combining them by statistical feature extraction
  using adaptive learning system**
Patent Assignee: AGENCY OF IND SCI & TECHNOLOGY (AGEN); OYO KEISOKU
  KENKYUSHO KK (OYOK-N); OUYO KEISOKU KENKYU (OUYO-N)
Inventor: KURITA T; KUWASHIMA S; OTSU N
Number of Countries: 007 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 363828	A	19900418	EP 89118529	A	19891005	199016	B
EP 363828	A3	19920812	EP 89118529	A	19891005	199336	
US 5442716	A	19950815	US 89414530	A	19890929	199538	
			US 91778741	A	19911018		
			US 9380976	A	19930624		

```
US 5619589    A    19970⬤     US 89414530   A    19890929⬤99720
                              US 91778741   A    19911018
                              US 9380976    A    19930624
                              US 94353323   A    19941205
EP 363828     B1   19990107   EP 89118529   A    19891005  199906
DE 68928895   E    19990218   DE 628895     A    19891005  199913
                              EP 89118529   A    19891005
JP 2982814    B2   19991129   JP 88255678   A    19881011  200002
```

Priority Applications (No Type Date): JP 88255679 A 19881011; JP 88255678 A
  19881011
Cited Patents: SR.Pub; 3.Jnl.Ref; US 3267431; AUS 4288779
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
EP 363828   A   25
   Designated States (Regional): DE FR GB IT SE
JP 2982814   B2   10 G06T-007/00   Previous Publ. patent JP 2101586
EP 363828   A3   25
US 5442716   A   22 G06K-009/62   Cont of application US 89414530
                                       Cont of application US 91778741
US 5619589   A   22 G06K-009/66   Cont of application US 89414530
                                       Cont of application US 91778741
                                       Cont of application US 9380976
                                       Cont of patent US 5442716
EP 363828   B1 E   G06K-009/52
   Designated States (Regional): DE FR GB IT SE
DE 68928895 E   G06K-009/52   Based on patent EP 363828

Abstract (Basic): EP 363828 A
       Initially a large number of general and basic features are
   extracted which satisfy conditions of being invariant to lateral
   displacement and are additive with respect to the image frame. New
   features are then extracted and adaptatively optimised to specific
   applications through learning by linearly combining the inital features
   using statistical character extraction.
       The geometric operation can be based on feature extraction by local
   autocorrelation masks based on Nth order autocorrelation/ The
   statistical feature extraction can use linear regression analysis or
   similar in multivariate analysis.
       USE/ADVANTAGE - Allows two dimensional image patterns to be
   measured universally and rapidly in real-time allowing parallel
   processing and adaptive learning. (25pp Dwg.No.2/25)
Title Terms: ADAPT; GENERAL; PURPOSE; IMAGE; MEASURE; RECOGNISE; EXTRACT;
  GEOMETRY; FEATURE; COMBINATION; STATISTICAL; FEATURE; EXTRACT; ADAPT;
  LEARNING; SYSTEM
Derwent Class: T01; T04
International Patent Class (Main): G06K-009/52; G06K-009/62; G06K-009/66;
  G06T-007/00
International Patent Class (Additional): G06K-009/46
File Segment: EPI

 9/5/63   (Item 37 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

008105745   **Image available**
WPI Acc No: 1989-370856/198950
XRPX Acc No: N89-282265
   Document recognition and automatic indexing for OCR - intelligently
   associating text characters in certain locations with information fields
   defined by pre-printed lines
Patent Assignee: EASTMAN KODAK CO (EAST)
Inventor: BARSKI L L; GABORSKI R S; GABORSKI S
Number of Countries: 003 Number of Patents: 005
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 8911703   A   19891130   WO 89US2037   A   19890515 198950 B
```

```
US 4949392    A   19900●       US 88196513   A   19880520●  9035
JP 3504423    W   199109●●     JP 89506309   A   19890515●  99145
EP 481979     A·  19920429     EP 89906581   A   19890515  199218
EP 481979     B1  19931020     EP 89906581   A   19890515  199342
                               WO 89US2037   A   19890515
```

Priority Applications (No Type Date): US 88196513 A 19880520
Cited Patents: 2.Jnl.Ref; EP 262462
Patent Details:
```
Patent No  Kind Lan Pg   Main IPC       Filing Notes
WO 8911703    A   E  20
    Designated States (National): JP
    Designated States (Regional): GB
EP 481979     A   E  20                 Based on patent WO 8911703
    Designated States (Regional): GB
EP 481979     B1  E  14 G06K-009/20     Based on patent WO 8911703
    Designated States (Regional): GB
```

Abstract (Basic): WO 8911703 A
     The document recognition system **stores** a library of templates
defining the spacings between pre-printed lines and the line lengths
for a number of different business **forms** , which are compared with the
image **data** of an **unknown** document to determine the known business
form template to which the document corresponds.Once the form of the
document is determined, an optical character recognition system may
intelligently associate the text characters in certain locations on the
document with information fields defined by the pre-printed lines.
     The pre-printed lines are determined from the template and removed
from the image data prior to optical character recognition processing.
     ADVANTAGE - Automatic recognition of document types, thus saving
operator time.